

Control Number: 50595



Item Number: 175

Addendum StartPage: 0



Public Utility Commission of Texas

Employee Training Report Required by 16 Texas Admin. Code § 25.97(d)

RECEIVED
2021 APR -9 AM 9:17
PUBLIC UTILITY COMMISSION
FILING CLERK

PROJECT NO. 50595

AFFECTED ENTITY: City of Smithville

General Information

Pursuant to 16 Texas Admin. Code § 25.97(d)(2), not later than the 30th day after the date an affected entity finalizes a material change to a document or training program, the affected entity must submit an updated report. The first report must be submitted not later than May 1, 2020.

Instructions

Answer all questions, fill-in all blanks, and have the report notarized in the Affidavit.

Affidavit

A representative of the affected entity must swear to and affirm the truthfulness, correctness, and completeness of the information provided by attaching a signed and notarized copy of the Affidavit provided with this form.

Filing Instructions

Submit four copies (an original and three copies) of the completed form and signed and notarized Affidavit to:

Central Records Filing Clerk
Public Utility Commission of Texas
1701 N. Congress Avenue
P.O. Box 13326
Austin, Texas 78711-3326
Telephone: (512) 936-7180

175

1. Provide a summary description of hazard recognition training documents you provide your employees related to overhead transmission and distribution facilities.

HB 4150 Section 38.102(a)(1) requires utilities to provide a summary of hazard recognition training documents for overhead transmission and distribution lines. Hazard recognition training focuses on equipping electric utility employees with the knowledge to recognize clearance hazards of overhead power lines.

Course outline:

- 1.Importance of Hazard Recognition for Overhead Power Lines
2. Vertical and horizontal clearance requirements
- 3.Importance of an intact system grounding system
4. Isolation or/and grounding of anchor guys
- 5.Hazard Assessment Management
- 6.Defining Criteria for Hazard Assessment and Data Collection
- 7.Analyzing Data and Determining Appropriate Actions
- 8.Preparing and Executing an Action Plan
- 9.Report Documentation and Record Maintenance

Note: City of Smithville does not own or operate any transmission lines at or above 60 kV.

2. Provide a summary description of training programs you provide your employees related to the National Electrical Safety Code for construction of electric transmission and distribution lines.

Summary of NESC Clearance Requirements

This course will educate all utility personnel whose positions require a working knowledge of the NESC Rules, which can include engineers, line workers and staking technicians

Course Outline:

1. Defining sag requirements - Rule 232-2
2. Ground clearances - Table 232-1 and 232-2
3. Clearances to buildings and signs - Table 234-1
4. Clearances to pools and grain bins - Rule 234E and 234F
5. Joint Use clearances - Rule 235, 238, and 239

Summary of Designing Transmission and Distribution Lines Crossing Lake

Course Outline:

1. Requirements of the HB 4150
2. Lake Crossing issues
3. NESC Requirements for Lake Crossings
 - a. Rule 232 Clearances
 - b. Rule 241 Required Grade of Construction of lake crossings
 - c. Rule 2500 Application of Extreme Ice
 - d. Rule 250C Extreme Wind
 - e. Rule 235C(b) Design Considerations for Wire Slop and Sag to Lower Conductors
4. Corps of Engineers Easement Requirements
 - a. Vertical Clearance Requirements
 - b. Additional Clearance Requirements for Areas Designated for Rigging or Launching Sailboats
5. Determining Lake Crossing Clearances
 - a. High Water
 - b. Sag and Tension for Long Crossings
 - c. Worst Case Sag
6. Additional Considerations
 - a. Transmission Adders
 - b. Marker Balls
7. Example Problems

Note: City of Smithville does not own or operate any transmission lines at or above 60 kV.

Affected Entity: City of Smithville

PROJECT NO. 50595

AFFIDAVIT

I swear or affirm that I have personal knowledge of the facts stated in this report or am relying on people with personal knowledge, that I am competent to testify to them, and that I have the authority to submit this report on behalf of the affected entity. I further swear or affirm that all statements made in this report are true, correct, and complete.

Jack Page

Signature

Jack Page

Printed Name

Public Works Director

Job Title

City Of Smithville

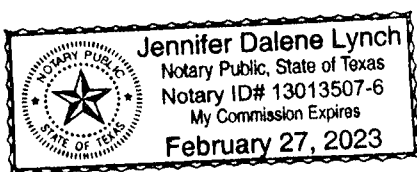
Name of Affected Entity

Sworn and subscribed before me this 7th day of April, 2021.
Month Year

Jennifer Dalene Lynch

Notary Public in and For the State of Texas.

My commission expires on Feb 27, 2023.



House Bill 4150

Hazard Awareness Training

Sign Up Sheet

Name	Date Attended
Trey Clemons	10-4-2020
Matt Lara	10-4-2020
John Johnson	10-4-2020
Zachary DeFriend	10-4-2020
Edward Balusek	10-4-2020